

THE REVIEW ON PREPARATION OF COLD CREAM WITH NEEM TO CURE PIMPLES

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ABSTRACT:

Herbal cosmetics are products used to enhance and beautify human appearances. The current study's objective was to formulate and assess herbal cold creams that contained plant extracts made using the water in oil method for the purpose of moisturizing and nourishing the skin. Making use of neem, cold cream is prepared.

Native to Nigeria, India, and America, neem *Azadirachta indica* is a valuable traditional medicine plant. The phytochemicals and biopesticide elements found were identified. The findings revealed that the majority of the compounds were saponins, steroids, and terpenes, while tannins and glycosides were only mildly present, and alkaloids, flavonoids, phenols, and oxalic acid were least prevalent. The medicinal properties of neem may be due to the presence of these phytochemicals.

Keywords: Biopesticidal; Neem; cold cream; Antiacne; pimples

INTRODUCTION:

Cosmetics are items that are typically used to both beautify and cleanse the skin. The word "cosmetics" is derived from the Greek word "cosmesis," which means to adorn.

Since then, products used to enhance appearances or beautify the skin have been referred to as cosmetics. People have been using polyherbal or herbal cosmetics to enhance their skin since ancient times.

When compared to other semisolid dosage forms or formulations, cold cream provides a prolonged contact time at the site of application. Cold cream is an oil in water emulsion. They make the skin look elegant and make it less greasy. It gives the skin an emollience because of the oil phase. The purpose of cold cream is to replenish moisture to dry skin, remove waste from pores, and cool the body. Cold cream is easily water washable and easy to remove. When Aim:-, they are not bothersome.

Making and testing an aloe vera cold cream is the goal of the current study. Positioned on the skin. The skin receives additional conservation from the water phase. Body temperature causes it to liquefy. It enters the skin through the pores on the skin's epidermis.

In order to remove makeup and smooth the skin, cold cream uses an emulsion of water and specific fats, typically containing beeswax. Unlike the oil in water emulsion of vanishing cream, which is so-called because it appears to vanish when applied to skin, cold cream is an emulsion of water in a greater amount of oil. Due to the cooling sensation the cream leaves on the skin, it is called "cold cream.". The product has been used in different variations.

ADVANTAGES:

- Cold creams restore the skin's moisture in the winter, making them ideal.
- The skin will become supple and soft with regular use.
- Many cold creams are made with skin-friendly formulas.
- Those with dry, itchy skin will find this cream to be ideal due to its ability to restore hydration.

DISADVANTAGE:

- Cream contains a significant amount of saturated fat.
- Numerous studies have linked an increased risk of high cholesterol with consuming too much saturated fat. Additionally, your waistline will suffer if you frequently overindulge in cream.
- Using cream in any recipe successfully requires using it in very small portions.

ACNE:

When your hair follicles get clogged with oil and dead skin cells, acne develops as a skin condition. Pimples, blackheads, or whiteheads are the results. Despite affecting people of all ages, acne is most prevalent in teenagers.

Although there are effective treatments for acne, the condition may persist. The bumps and pimples heal slowly, and just as one starts to disappear, another one seems to appear.

Depending on how severe it is, acne can leave skin scars and cause emotional distress. Your risk of developing such issues decreases with earlier treatment initiation.

SYMPTOMS:

Depending on how bad your condition is, there are different acne symptoms.

Whiteheads (plugged pores that are closed).

Blackheads (clogged pores that are open).

Miniature papules that are red and tender.

Pimples, which are papules with pus on the tips of them.

Extremely large nodules that are solid and hurt.

Lumps under the skin that are throbbing with pus (cystic lesions).

NEEM:

The neem tree is a tropical evergreen tree native to India and is also found in other southeast countries.

In India, neem is known as "the village pharmacy" because of its healing versatility, and it has been used in Ayurvedic medicine for more than 4,000 years due to its medicinal properties.

Neem is also called 'arista' in Sanskrit- a word that means perfect, complete and imperishable.

The seeds, bark and leaves contain compounds with proven antiseptic, antiviral, antipyretic, anti-inflammatory, antiulcer and antifungal uses

Neem plant is a native of India, where it is known as divine tree; "life giving tree". It belongs to maliceae family. Away from India, it is commonly found in Africa and America. It occurs naturally in tropical region and sub-tropical zones. However, it can still be planted or cultivated. Neem tree is an incredible therapeutic plant that has been declared the tree of the 21st century by the United Nations



The plant kingdom represents a rich store house of organic compounds, many of which have been used for medicinal purposes and could serve as a lead for the development of novel agents having good efficacy in various pathological disorders in the coming years. Neem plant is considered to be the richest sources of drugs for traditional medicine, modern medicine, nutraceuticals, food supplements, folk medicine, pharmaceutical intermediates and chemical entities for synthetic drugs . Some of the phytochemicals contained in Neem plant have been isolated, quantified and identified through Intensive studies. These bioactive chemicals have provided leads in the development of several life- saving drugs, which are in use todad extract from *Azadirachita indica*, which is referred to as dogonyaro in some parts of Nigeria are mostly recommended in ancient medical texts. The leaves can be used as drug for diabetes, eczema and fever. Thus, the objective of this research was to ascertain the phytochemical constituents of neem plant and relate it to some of its traditional use.



- Neem tree is a common tree found in India.
- Neem tree is also called 'Nim' tree in India.
- The neem tree is popular for its medicinal values.
- The tree has yellow colored fruits with a single seed.
- The tree can become very tall, very fast.
- It grows best in warm temperatures.
- We use neem leaves to make toothpaste and mouthwashes.
- Neem leaves are boiled, and we can use the water to cure rashes.
- Neem tree is connected to the Indian culture

BOTANICAL CLASSIFICATION:

Common Name	Neem
Botanical Name	<i>Azadirachta Indica</i>
Kingdom	Plantae
Division	Magnoliophyte
Class	Magnoliopsida
Order	Spindles
Genus	<i>Azadirachta</i>
Species	<i>A.indica</i>
Family	MeliAceae

CONTENT OF NEEM PLANT:

<u>Components</u>	<u>Abudence</u>
Alkaloides	+
Saponnins	+++
Tannins	+++
Steroids	+++
Terpenoid	+++
Glycosides	++
Falvonids	+
Phenol	+
Oxalic acid	+

PHYTOCHEMICAL CONSTITUENTS:

The neem plant, *Azadirachta indica*, is used in traditional medicine and for pest control for reasons related to its phytochemicals. *Azadirachta indicica* L. Because it contains a wide variety of therapeutic ingredients, (neem) plays a therapeutic role in the management of health. Azadirachtin, among the other active ingredients, is the most significant.

- nimbolinin,.
- nimbin,.
- Nimbidin.
- Nimbidium.

Salt (sodium).

- nimbinate,.
- gedunin, .

Both salannin and quercetin.

PHARMACOLOGICAL ACTIVITY

Neem leaf's medicinal benefits have been specifically discussed. The immunomodulatory, anti-inflammatory, anti-hyperglycemic, and antiulcer properties of neem leaf and its constituents have been proven.

Properties that are anti-malarial, anti-fungal, anti-bacterial, anti-viral, antioxidant, and anti-mutagenic.

Neem leaf is used to treat a number of conditions, including leprosy, eye issues, bloody noses, intestinal worms, stomach upset, appetite loss, skin ulcers, diseases of the heart and blood vessels (cardiovascular disease), fever, diabetes, gum disease (gingivitis), and liver issues. Additionally, the leaf is used to induce abortions and control fertility .

INGREDIENTS OF FORMULA:

<u>Ingredients</u>	<u>Quantity</u>
Neem	2 gm
Bees wax	3.2 gm
Borax	0.16 gm
Liquid paraffin	10 gm
Methyl paraffin	0.2 gm
Perfuming agent	1 OR 2 Drops
Distilled water	Qs

METHODOLOGY:

- The extraction of neem.
- In a different beaker, combine borax with water that has been heated to 75°C (Phase B or Aqueous phase). Add one phase of the solution to the next while stirring continuously to combine the two until the mixture resembles cream. Put the preservative or methylparaben, perfume, and packing material in a suitable container before labeling and submitting.

ROLE OF INGREDIENTS:

BORAX:

Borax as used in cosmetic industry to prevent bacterial growth. It is also used to eradicate skin bacterial and remove dead skin cells. Emulsifier created by the chemical reaction made the oil and water part of cold cream less likely to separate on standing borax were so cold cream made with borax were more stable.



BEES WAX:

Skin is shielded by cold cream. The formula includes beeswax and borax. Provides a cooling effect. Emulsifying agents include borax and beeswax.



METHYL PARABEN :

The pharmaceutical and cosmetic industries frequently use the preservatives parabens (methyl paraben, propyl paraben) as preservatives. They function well as preservatives in a variety of formulae. Because of their antifungal and antibacterial properties, these substances and their salts are primarily used in medicine.



LIQUID PARABEN:

The oily phase is a liquid paraffin that resembles mineral oil.



PERFUMING AGENT:

Ingredients known as perfumery agents help give a product its distinctive scent. Whether synthetic or natural, the agents can give a product a distinctive scent.



HOW TO APPLY COLD CREAM:

How to use

1

Clean your face

2

Apply required amount of cream and gently dab all over the face

3

Massage in circular motion till it's absolutely absorbed.

CONCLUSION:

According to the aforementioned findings, the formulated cream demonstrated consistency and spreadability, homogeneity, pH, non-greasiness, and there was no phase separation during the study period of the research. Cold cream is typically used in advance of winter to protect skin from winter atmosphere. Since the neem cold cream is made from herbal extract, it is safe to use, according to the studies mentioned above. People prefer natural remedies over synthetic ones because they are thought to be safer and have fewer side effects. Therefore, the benefits of herbs in cosmeceuticals have been greatly improved in the personal care system, and there is currently a high demand for herbal cosmetics. An herbal cream that uses herbal extracts and is non-toxic, affordable, efficient, and improves patient compliance would be preferred over synthetic. Preventing the pimple.

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